

Alex Cui

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EXPERIENCE

- **SmartBot360**, Research Intern Mar. 2019 - Current
 - Redesigned pages in the front end for a better UI/UX using Angular, and also added new features for users.
 - Wrote numerous SQL queries in Java to send and receive data in the back end.
 - Decreased the time to display core analytics from the database by more than 50%.
 - Responded to design-related and functionality-related feedback and made adjustments accordingly.

PROJECTS

- **Depush** Mar. 2020
 - Created a Google Chrome extension that notifies you when new items are uploaded onto Depop.com.
 - Refreshes itself in the background periodically and uses the Chrome API to store your saved search terms.
 - Inspired by the same feature in the Depop app and the want for an improved version of it on the web.
- **Piano Tiles** Feb. 2019 - Mar. 2019
 - Reproduced the popular game app, "Piano Tiles," on a breadboard.
 - Features sound effects, a score keeper, and the option to restart.
 - Utilizes Atmel Studio 7 and an ATmega1284 microcontroller, along with various breadboard components.
- **RedditBot** Nov. 2018
 - Built a bot that utilizes the API to send responses to users based on the content of their comment.
 - Oversaw a team and ensured the project's completion.
 - Introduced new ideas on how to develop the project while debugging compile-time errors.
- **RShell** Nov. 2018 - Dec. 2018
 - Developed a program that replicates basic Bash commands using C++ and Linux system calls.
 - Led the team and unit tested the project as it progressed.
 - Utilized the composite design pattern and wrote a majority of the code.

SKILLS

- **Languages:** C++, HTML, CSS, Javascript, TypeScript, Angular, Java, SQL
- **Tools:** Git, Bootstrap, MySQL, Node.js

ACTIVITIES

- **Organization**, ACM Apr. 2018 - Current
 - Active member and previously received guidance in the mentorship program.
- **Hackathon**, Cutie Hack Nov. 2018
 - Worked with a team and demoed RedditBot to a panel of judges.

EDUCATION

University of California Riverside
B.S. Computer Science 2021